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UNIVERSITY OF TORONTO
UNIVERSITY EXTENSION

Session 1960-61

CANADIAN SURGICAL TRADE ASSOCIATION COURSE

sponsored by the
Education Committee
of the
CANADIAN SURGICAL TRADE
ASSOCIATION

CANADIAN SURGICAL TRADE ASSOCIATION COURSE

Mondays **30 lectures**

The Education Committee of the Canadian Surgical Trade Association, in co-operation with the Division of University Extension, University of Toronto, offers a third subject in a technical educational plan for employees in the surgical and hospital field. It is anticipated that other subjects will be offered in subsequent years. All applications for enrolment will be reviewed by the Education Committee.

Each class will be limited to 35 students.

LECTURER:	Dr. J. Kraicer, Banting & Best Institute, University of Toronto.
PLACE:	Room 101, McLellan Laboratory.
TIME:	7:30 p.m. Fall Term begins October 17th. Winter Term begins January 9th.
FEE:	$50.00

REGISTRATION:

By mail or in person at Room 207, 65 St. George Street, 9 a.m. to 5 p.m. daily except Saturdays. Information may be obtained by telephoning WA 3–6611, locals 301, 304, 526, 527. In order to accommodate students and enable them to enrol during the evening, registrations will be taken:

Monday, September 12th
Monday, September 19th

from 7:30 to 9 p.m. in the Wallberg Building, corner of St. George and College Streets.

PROGRAMME

PHYSIOLOGY

1. Cell structure.
2. Characteristics of living cell.
3. Cellular death, multiplication and differentiation.
4. Nature of foodstuffs, digestion, assimilation, oxidation, excretion.
5. Tissue break-down, repair and growth.
6. Energy changes.
7. Bone structure, gross and microscopic.
8. Cartilage structure.
9. Functions, development and diseases of bone.
10. Properties of muscle.
11. Muscle nerve preparation.
12. The nerve, its anatomy and structure; properties of nerve cell; degeneration and regeneration.
13. Nerve endings.
14. Spinal cord. Reflex action.
15. Blood, its composition and functions; coagulation.
16. Elementary Physical Chemistry of physiological processes.
17. General plan of cardio-vascular system.
18. The Heart, events of cardiac cycle; innervation of circulatory organs; control of heart; haemo-dynamics.
19. Respiratory system, its structure and control.
20. Alimentary system; composition of foods, vitamins; ingestion; digestion; absorption and elimination.
21. Renal system, urine.
22. Male and female reproductive system.
23. Endocrine system.

Practical Work and Demonstrations:

This is arranged to illustrate the subject matter of the lectures.

- Histology of all important organs.
- Very simple work on frog hearts and muscle-nerve, and on isolated intestine.
- Simple chemical study of colloids, urine, digestion, blood.
- Experimental examination of human circulatory and respiratory systems.